

~~SECRET~~November 27th, 1959COCOM Document No. 3715.58/1BCOORDINATING COMMITTEERECORD OF DISCUSSIONONITEM 1558 - VALVES (TUBES) ELECTRONIC10th and 17th November, 1959

Present: Belgium (Luxembourg), Canada, France, Germany, Italy, Japan, Netherlands, United Kingdom, United States.

References: COCOM 3700.2 and .5, W.P.1558/1 and 2.

1. The COMMITTEE examined the definition of Item 1558 in the light of the amendments proposed by the German and United States Delegations.

2. The COMMITTEE drew up the following new definition:

"Valves (tubes) electronic, and specialised parts, as follows:

- (a) Valves designed for use at frequencies between 300 megacycles per second and 500 megacycles per second having a plate dissipation in excess of 10 Watts under any conditions of cooling and all valves designed for use at frequencies in excess of 500 megacycles per second;
- (b) Indirectly heated valves of a kind that can be passed through a circular hole 7.2 mm. in diameter;
- (c) (1) Those designed to withstand sinusoidal vibration at peak accelerations greater than 5 g for a total period in excess of 100 hours at any one frequency between 25 and 170 cycles per second.
(2) Those designed to withstand swept frequency sinusoidal vibrations between 60 and 1,000 cycles per second, with a minimum swept frequency ratio of 5 to 1, at a peak acceleration greater than 4 g for a total period in excess of 200 hours.
(3) Those designed to withstand acceleration of short duration (shock) greater than 1,000 g;
- (d) Valves constructed with ceramic envelopes and designed for frequencies in excess of 60 megacycles per second;
- (e) Valves designed for operation in ambient temperatures exceeding 100°C.;
- (f) Klystrons;
- (g) Travelling wave tubes."

3. The changes as against the old definition may be summed up as follows:

Part (a) Parts (a) and (b) of the old definition overlapped. They now form a single part (a), with the frequency cut-off raised to 500 Mc/s.

Part (b) Part (c), unchanged, has become part (b).

Part (c) Part (d) of the old definition, which has become part (c), has been amended so as to release valves used in non-strategic installations.

Part (d) Part (e) has become part (d) and has been amended so as to release valves used in domestic radio sets. INDUSTRIAL APPLICATIONS

~~SECRET~~

S E C R E T

- 2 -

COCOM Document No. 3715.58/1B

Part (e) Former part (f), unchanged.

Part (f) Former part (g) "Klystrons" instead of "Amplifier Klystrons".

Part (g) Part (g), travelling wave tubes, formerly part (h), has been retained in view of the raising of the frequency cut-off in part (a).

4. The FRENCH, GERMAN, ITALIAN, JAPANESE and UNITED KINGDOM Delegations stated that they could accept the new definition of Item 1558 ad referendum. The UNITED STATES Delegation stated that they could accept parts (c) and (d) ad referendum and the remainder finally.

5. On the 17th November, the FRENCH and GERMAN Delegations confirmed their ad referendum agreement.

CONCLUSION: The COMMITTEE agreed to resume study of this item during the second round of discussion only if the ad referendum agreement were not confirmed in the meantime.

S E C R E T